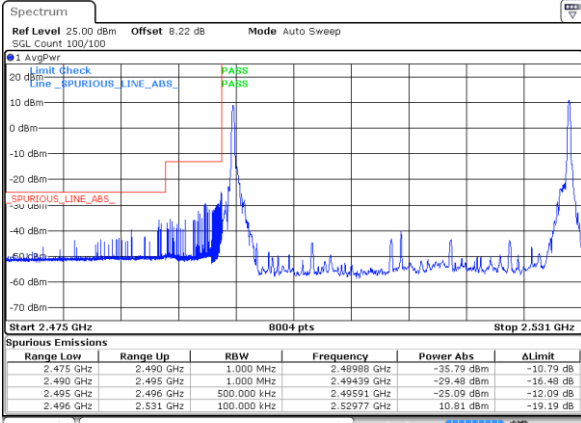




LTE Band 41C / 20MHz+15MHz

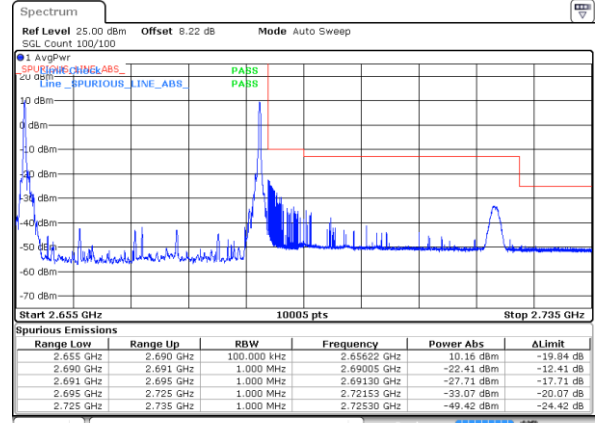
64QAM

Lowest Band Edge / 1RB0 and 1RB9



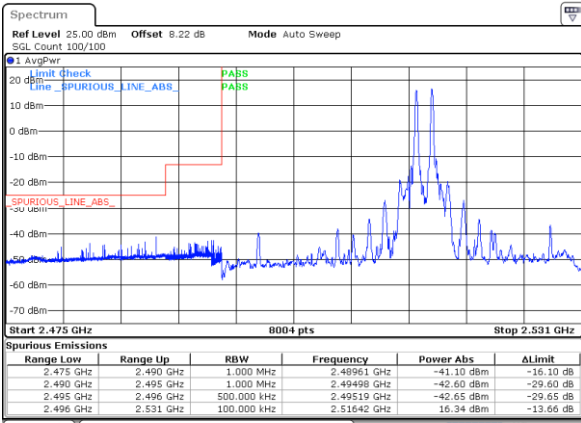
Date: 6 SEP 2022 21:28:22

Highest Band Edge / 1RB0 and 1RB9



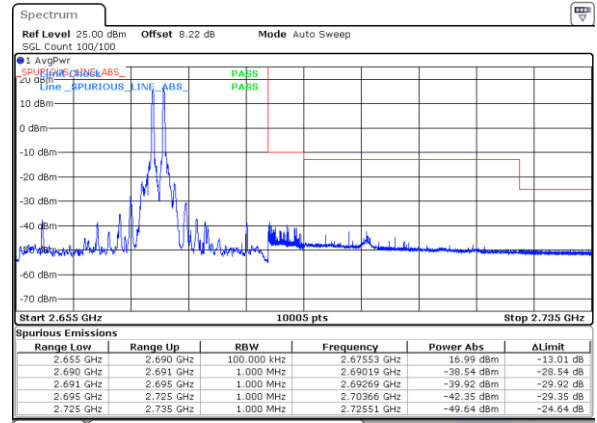
Date: 6 SEP 2022 21:47:32

Lowest Band Edge / 1RB99 and 1RB0



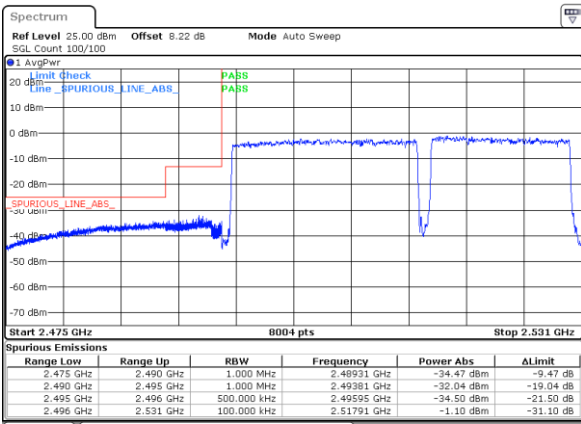
Date: 6 SEP 2022 21:34:53

Highest Band Edge / 1RB99 and 1RB0



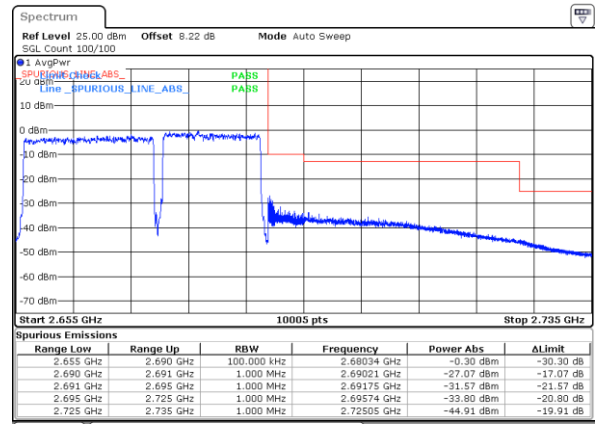
Date: 6 SEP 2022 21:48:50

Lowest Band Edge / Full RB



Date: 6 SEP 2022 21:27:04

Highest Band Edge / Full RB



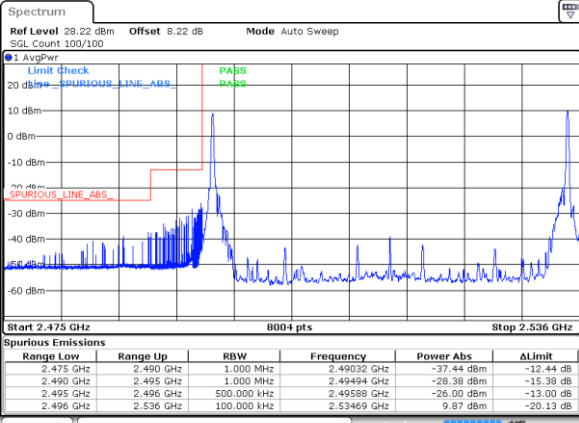
Date: 6 SEP 2022 21:38:19



LTE Band 41C / 20MHz+20MHz

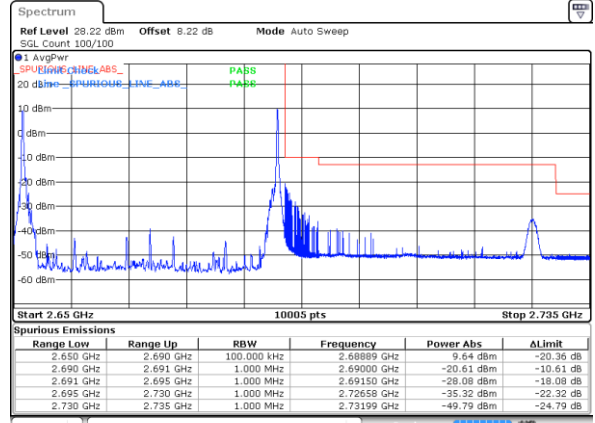
64QAM

Lowest Band Edge / 1RB0 and 1RB9



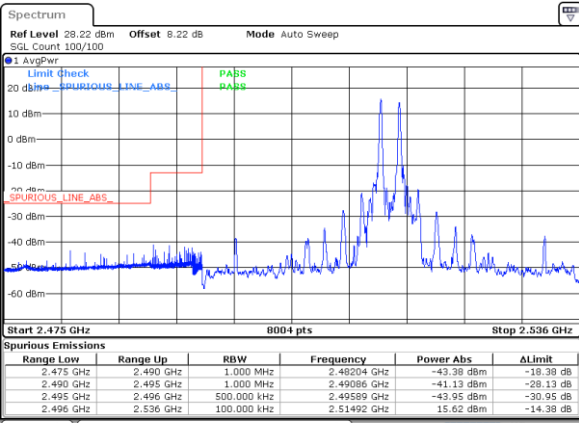
Date: 6 SEP 2022 21:58:58

Highest Band Edge / 1RB0 and 1RB9



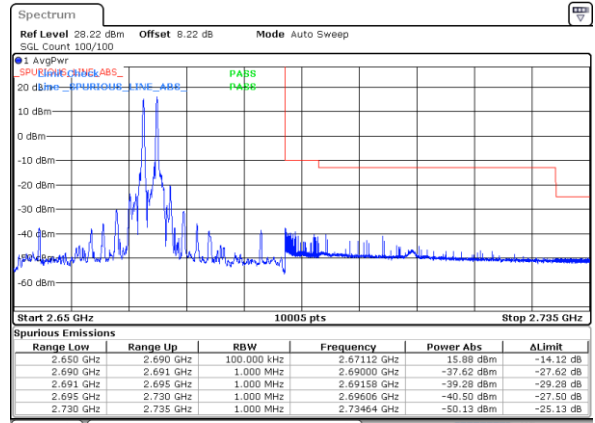
Date: 6 SEP 2022 22:16:26

Lowest Band Edge / 1RB99 and 1RB0



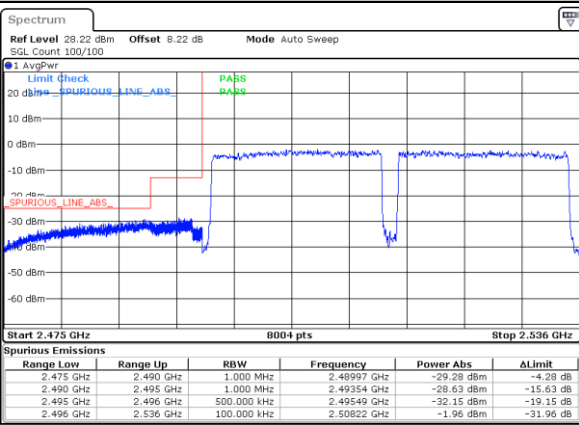
Date: 6 SEP 2022 22:05:32

Highest Band Edge / 1RB99 and 1RB0



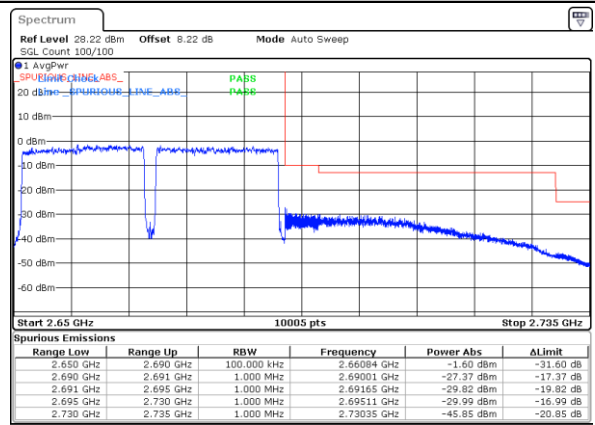
Date: 6 SEP 2022 22:17:44

Lowest Band Edge / Full RB



Date: 6 SEP 2022 21:57:40

Highest Band Edge / Full RB



Date: 6 SEP 2022 22:09:57

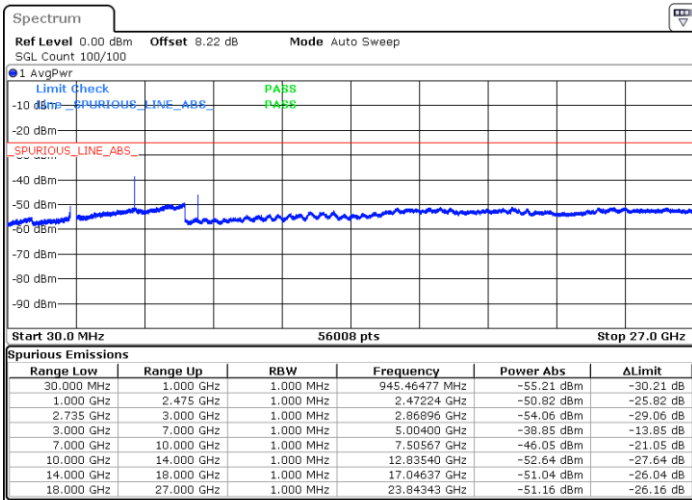


# Conducted Spurious Emission

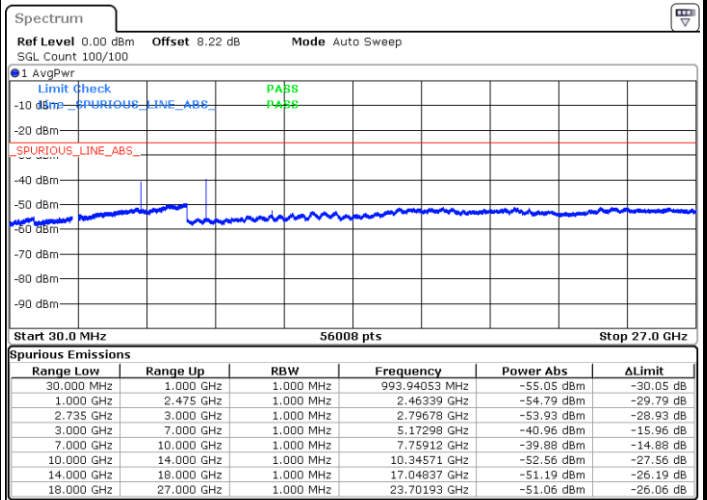
## LTE Band 41C / 5MHz+20MHz

### Lowest Channel / QPSK

### Middle Channel / QPSK

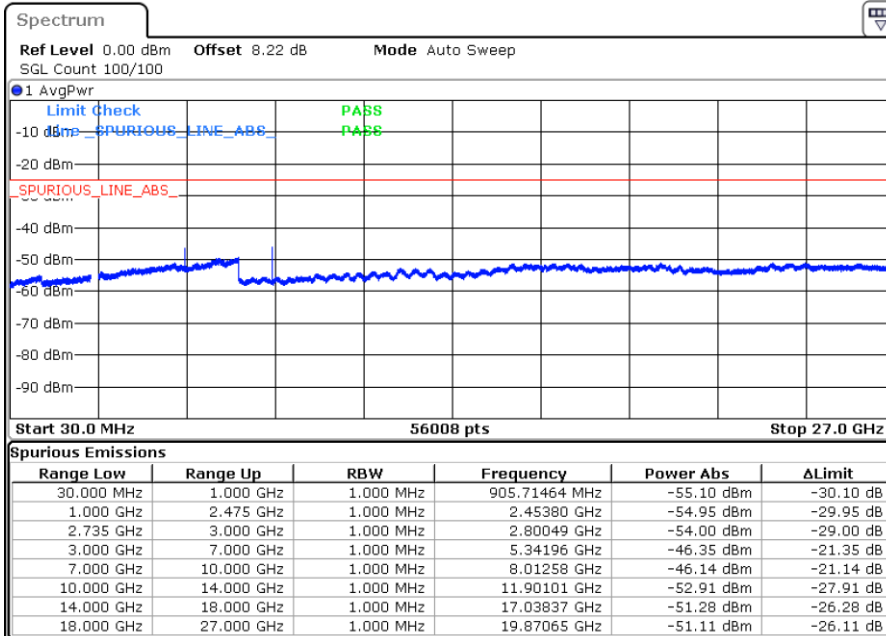


Date: 6 SEP.2022 16:13:20



Date: 6 SEP.2022 16:14:53

### Highest Channel / QPSK



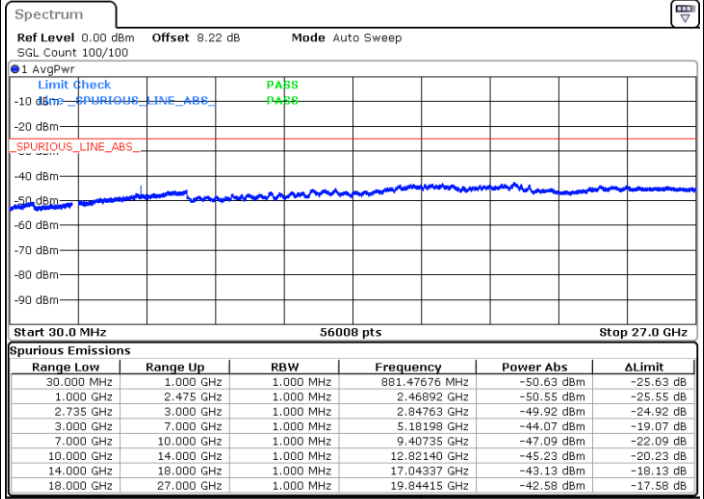
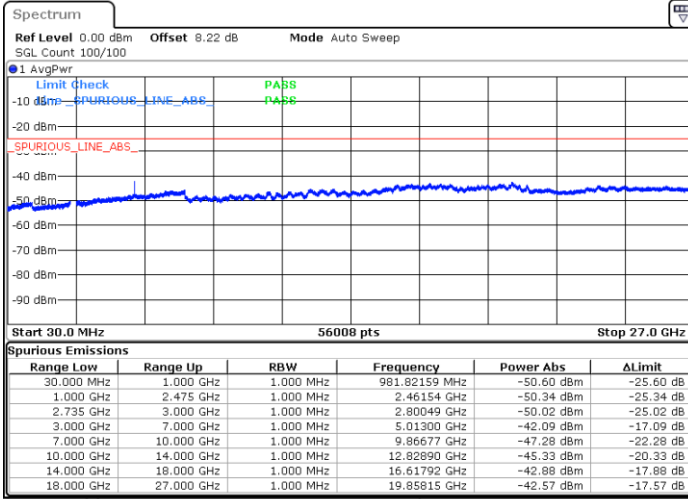
Date: 6 SEP.2022 16:16:26



LTE Band 41C / 10MHz+15MHz

Lowest Channel / QPSK

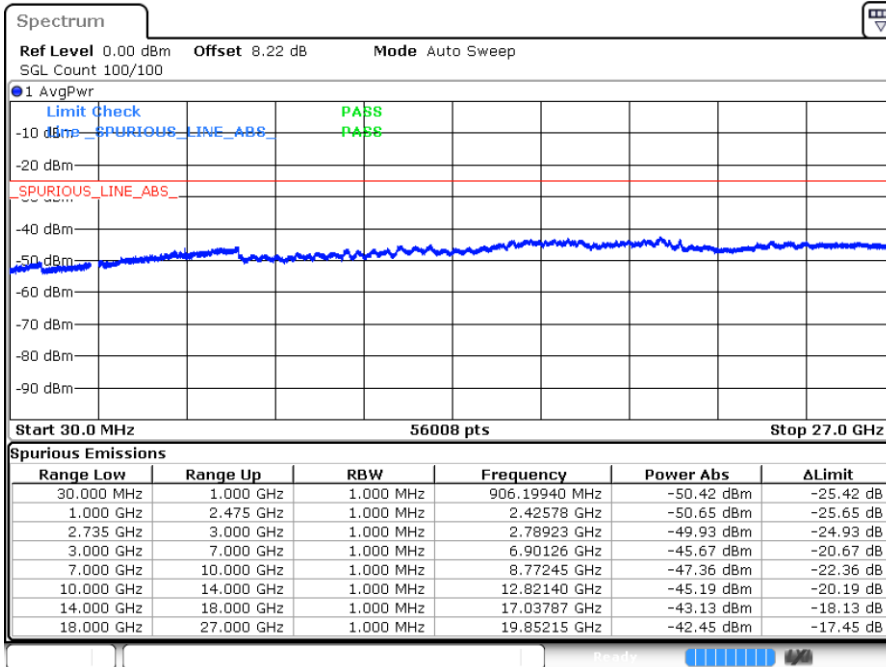
Middle Channel / QPSK



Date: 6 SEP 2022 17:20:22

Date: 6 SEP 2022 17:21:56

Highest Channel / QPSK



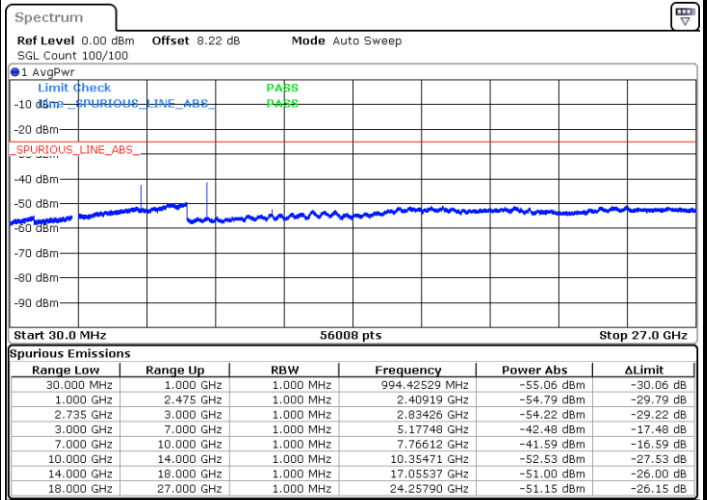
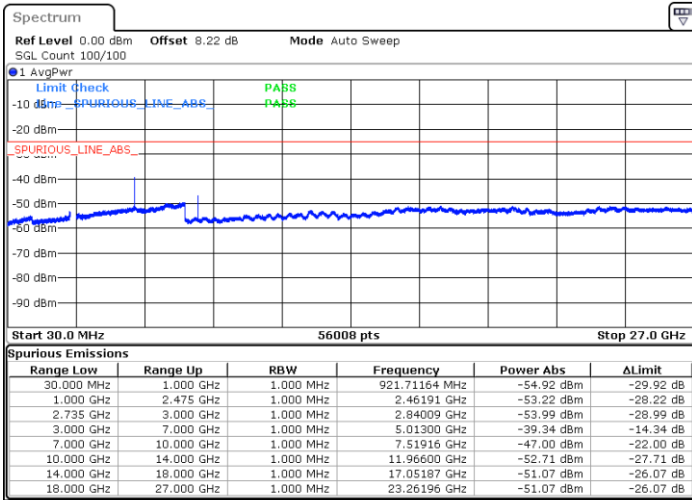
Date: 6 SEP 2022 17:23:29



LTE Band 41C / 10MHz+20MHz

Lowest Channel / QPSK

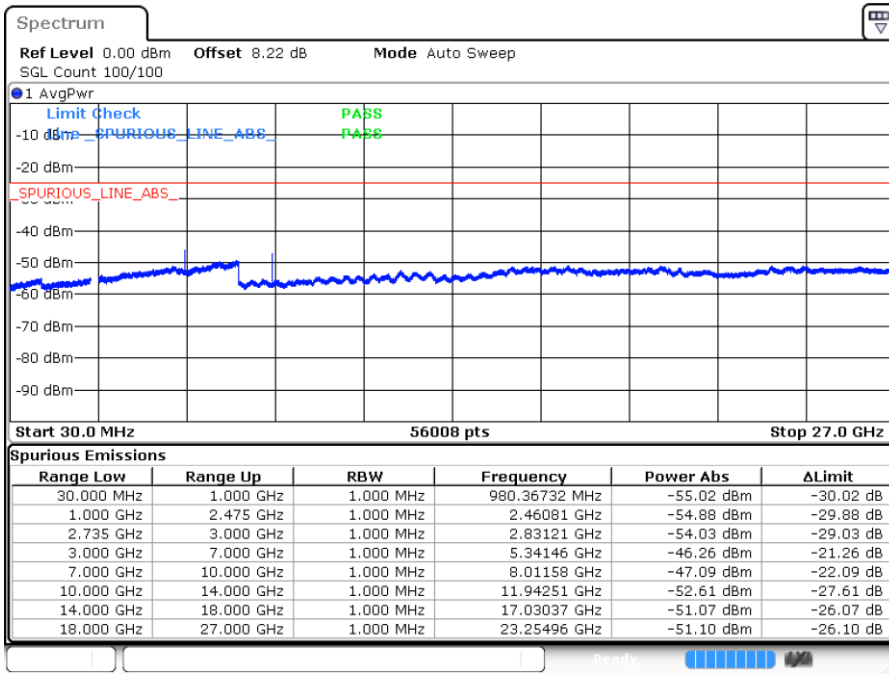
Middle Channel / QPSK



Date: 6 SEP 2022 18:10:37

Date: 6 SEP 2022 18:12:11

Highest Channel / QPSK



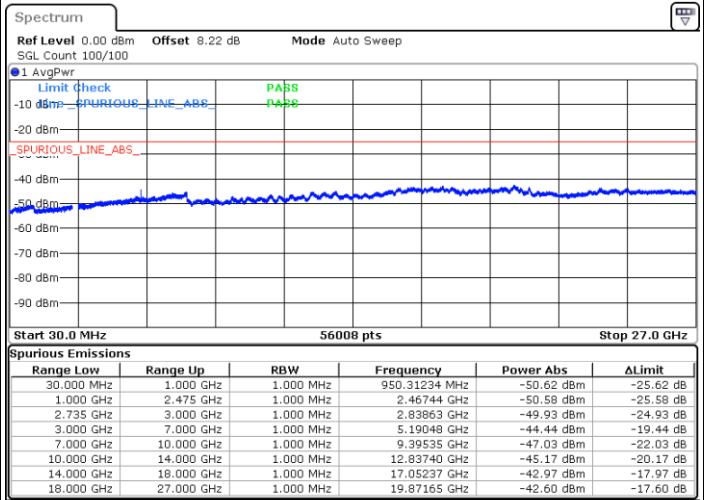
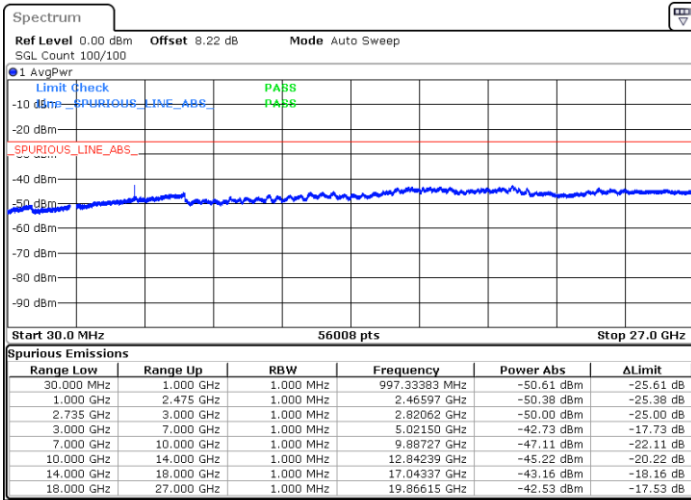
Date: 6 SEP 2022 18:25:24



LTE Band 41C / 15MHz+10MHz

Lowest Channel / QPSK

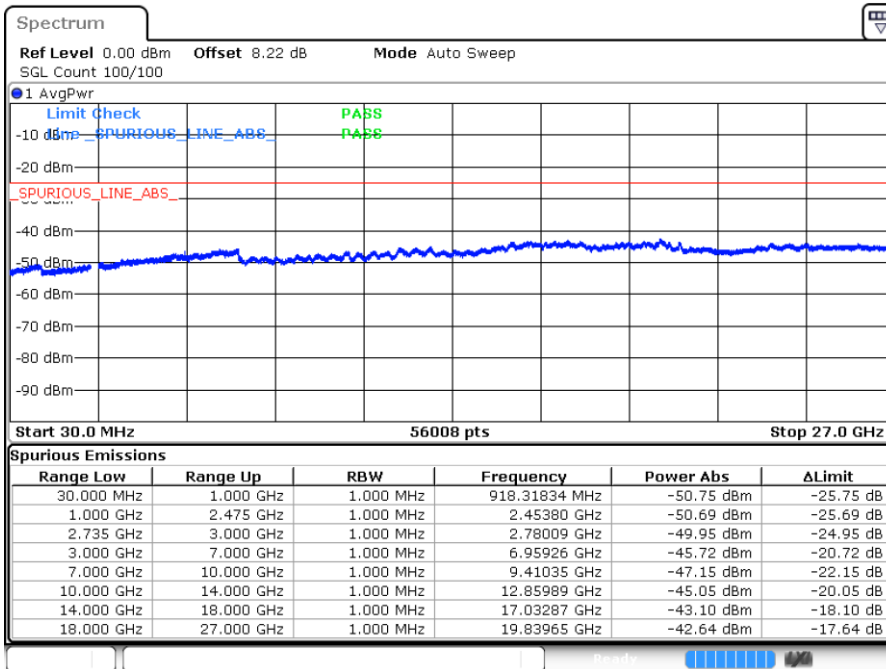
Middle Channel / QPSK



Date: 6 SEP.2022 17:37:19

Date: 6 SEP.2022 17:39:03

Highest Channel / QPSK



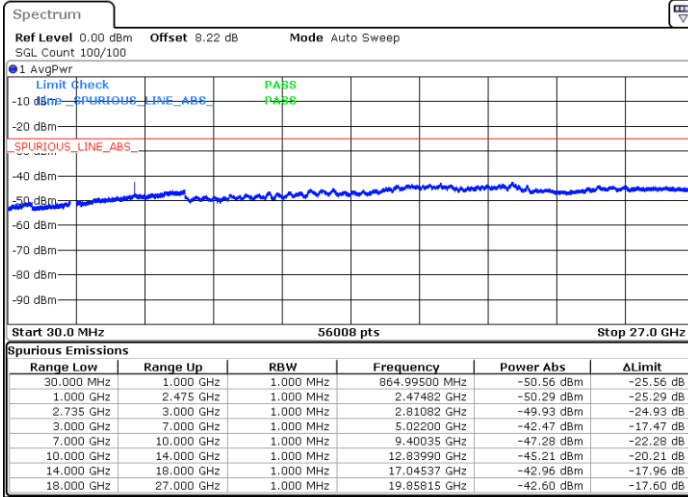
Date: 6 SEP.2022 17:55:26



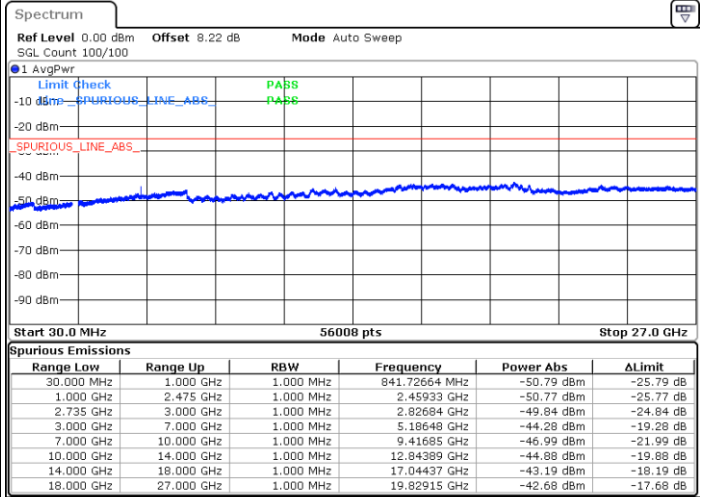
LTE Band 41C / 15MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

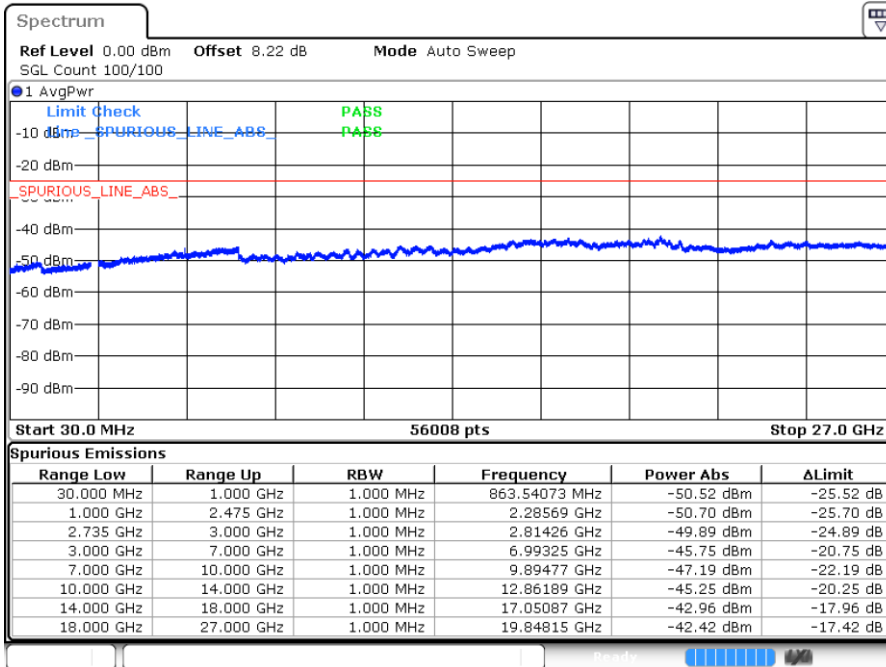


Date: 6 SEP.2022 20:21:39



Date: 6 SEP.2022 20:23:12

Highest Channel / QPSK



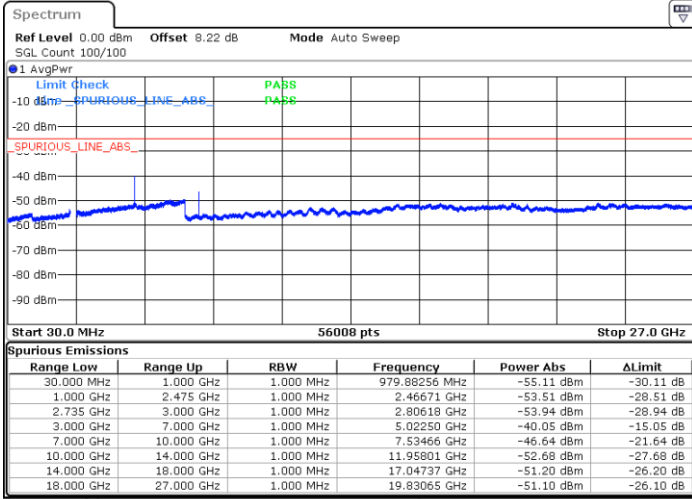
Date: 6 SEP.2022 20:38:52



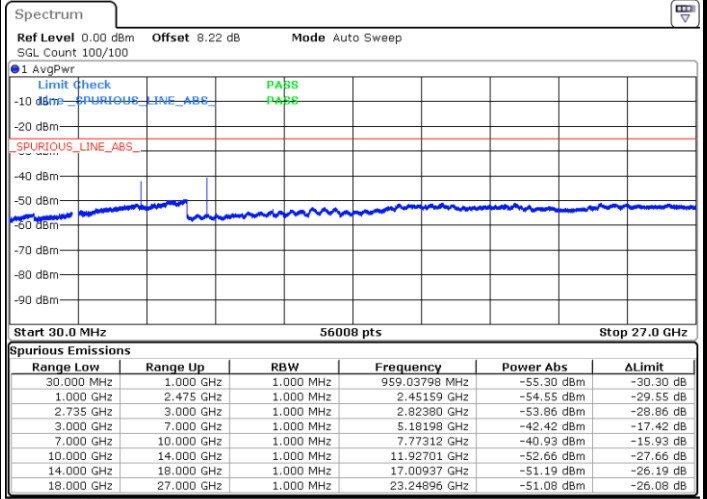
LTE Band 41C / 15MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

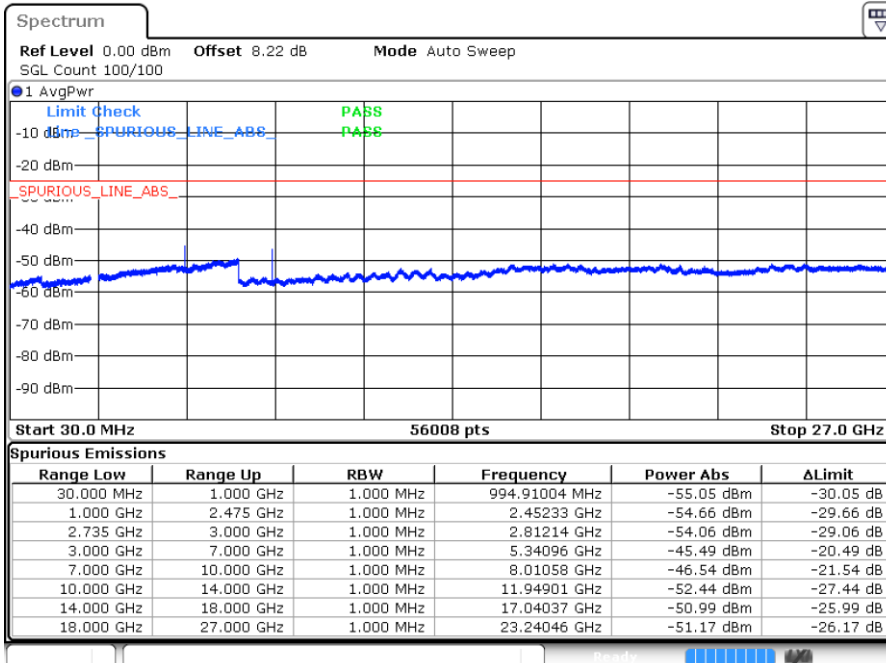


Date: 6 SEP 2022 20:54:44



Date: 6 SEP 2022 20:56:18

Highest Channel / QPSK



Date: 6 SEP 2022 21:09:33

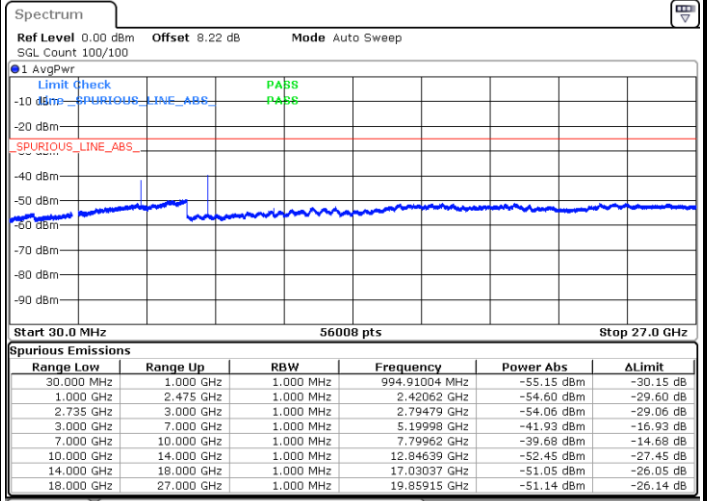
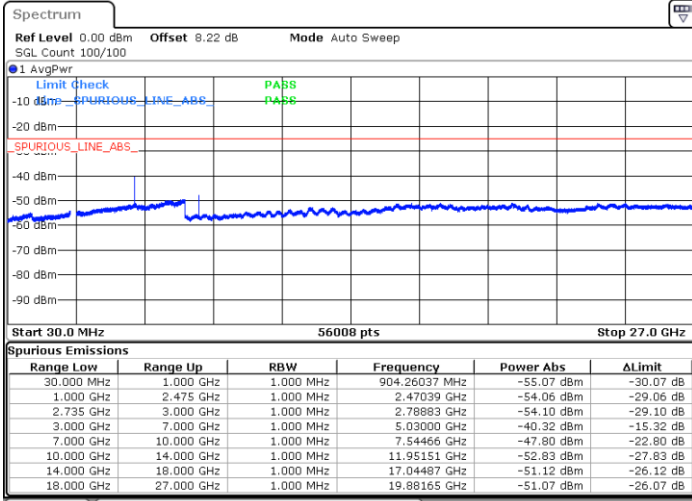




LTE Band 41C / 20MHz+5MHz

Lowest Channel / QPSK

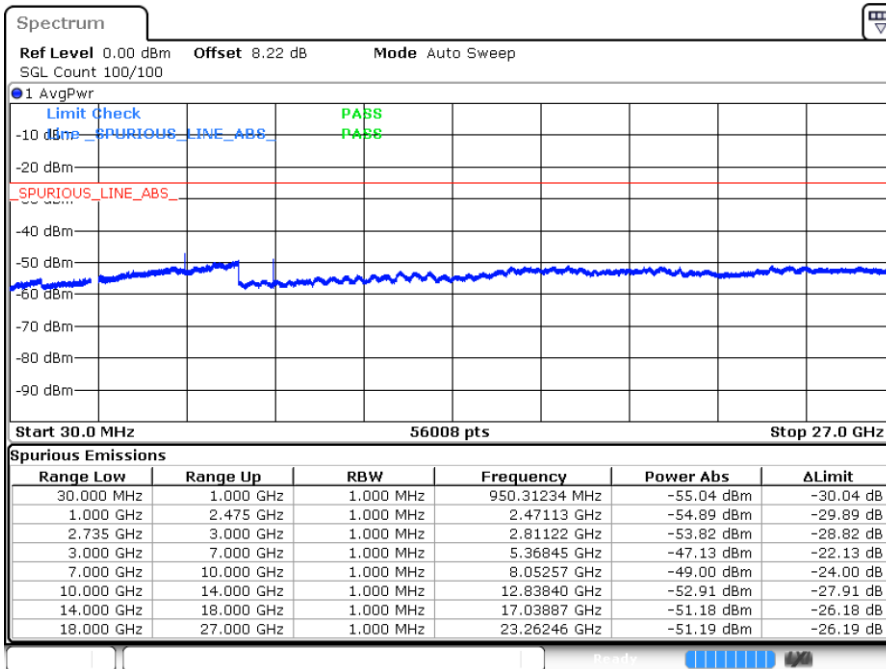
Middle Channel / QPSK



Date: 6 SEP.2022 16:36:09

Date: 6 SEP.2022 16:37:43

Highest Channel / QPSK



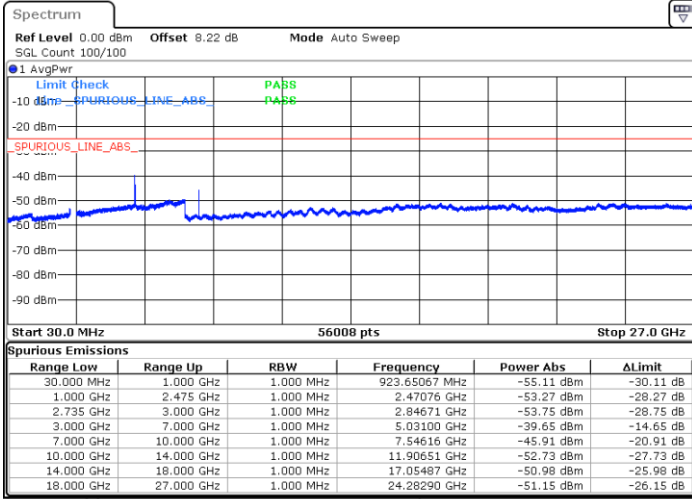
Date: 6 SEP.2022 16:52:28



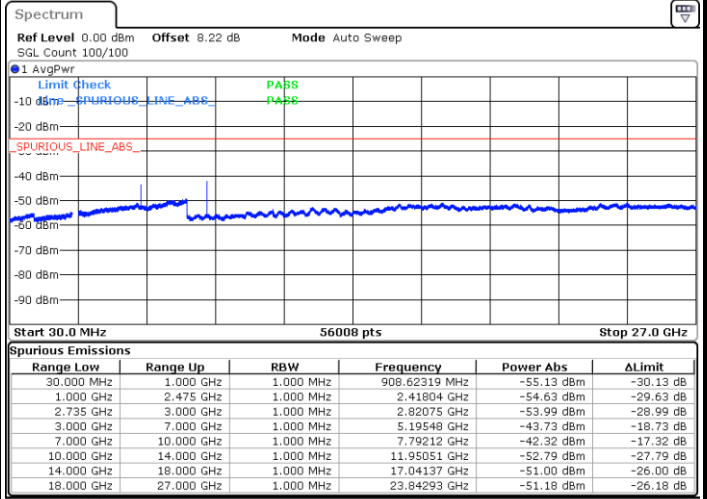
LTE Band 41C / 20MHz+10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

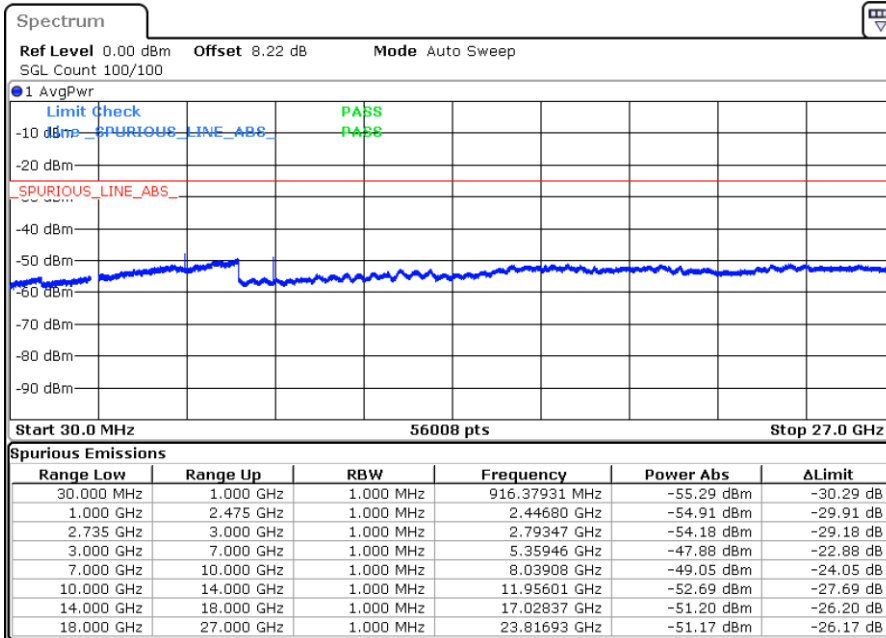


Date: 6 SEP 2022 19:18:48



Date: 6 SEP 2022 19:20:21

Highest Channel / QPSK



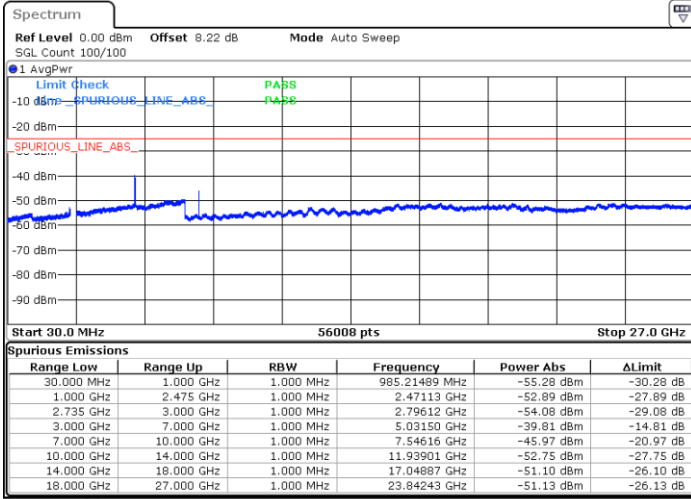
Date: 6 SEP 2022 20:07:37



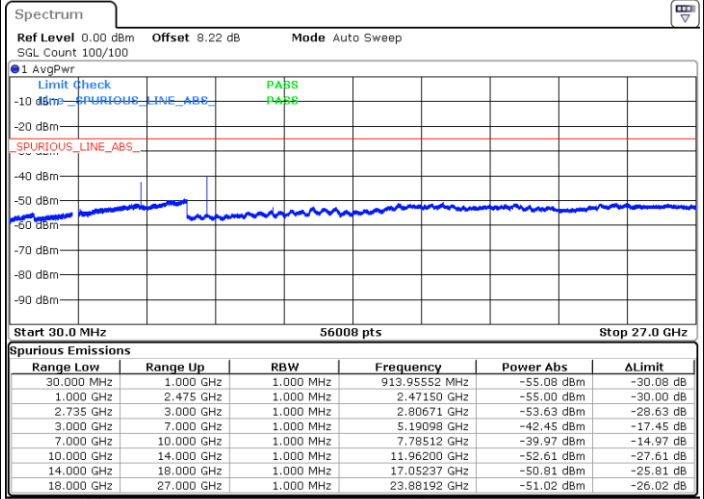
LTE Band 41C / 20MHz+15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

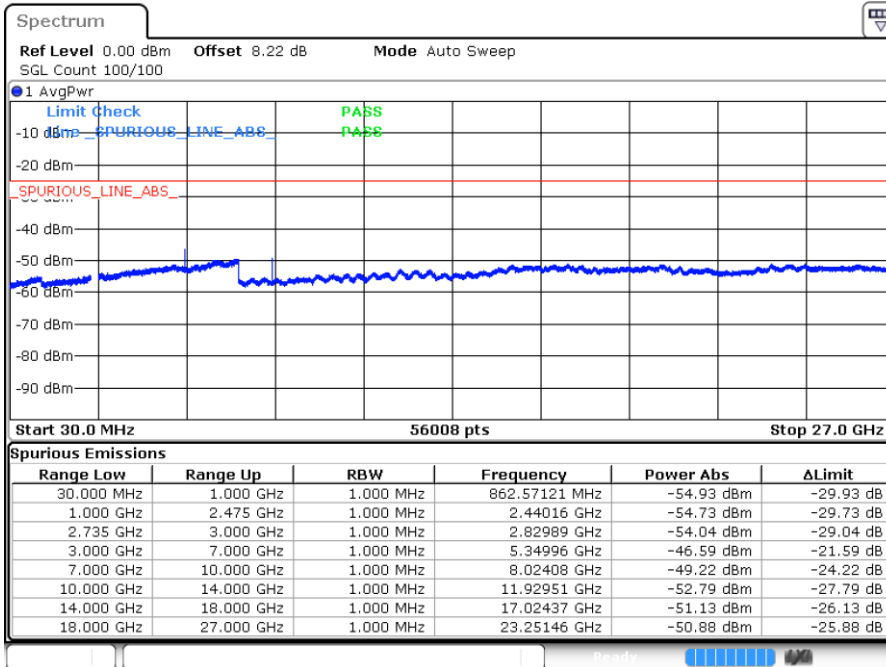


Date: 6 SEP.2022 21:36:19



Date: 6 SEP.2022 21:37:53

Highest Channel / QPSK



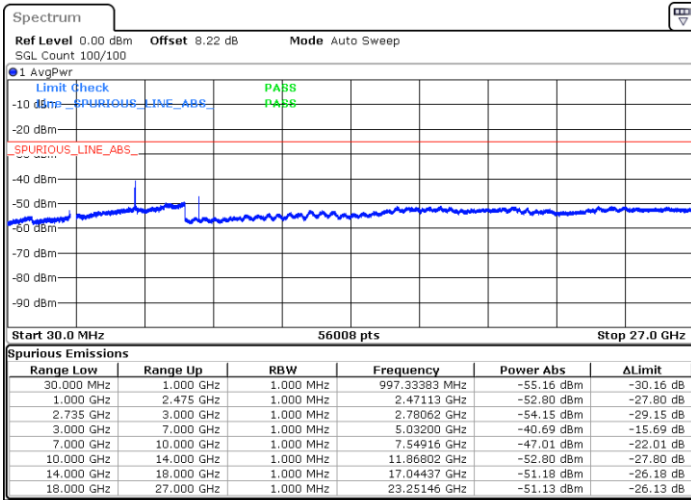
Date: 6 SEP.2022 21:52:52



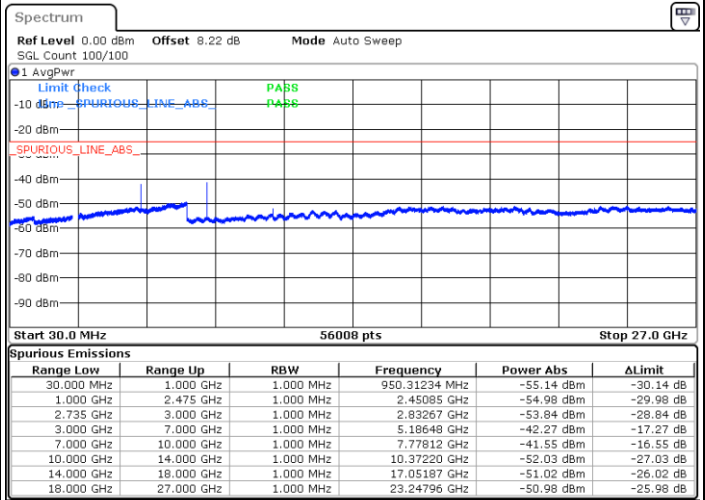
LTE Band 41C / 20MHz+20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

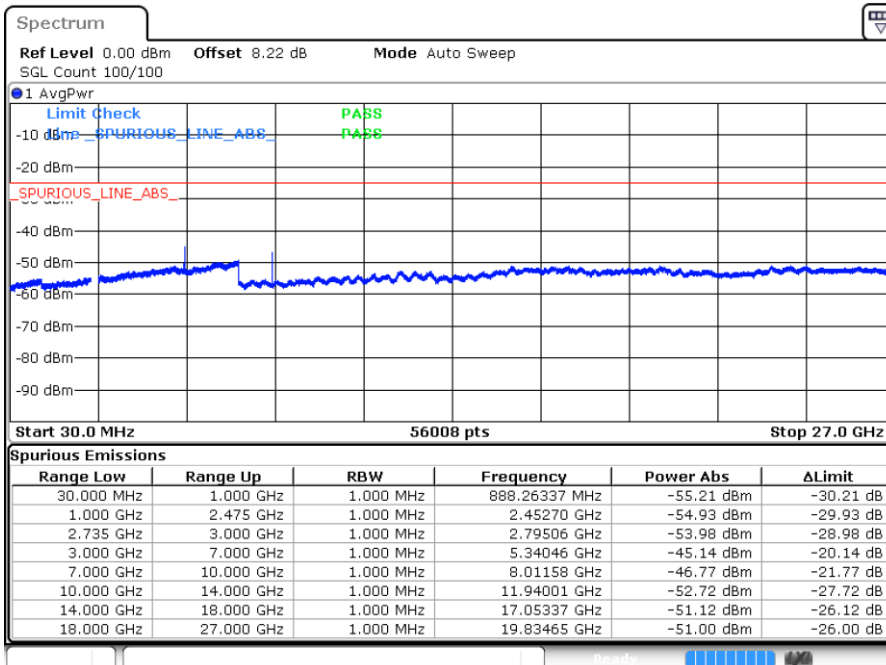


Date: 6 SEP.2022 22:06:59



Date: 6 SEP.2022 22:08:32

Highest Channel / QPSK



Date: 6 SEP.2022 22:21:46



Frequency Stability

| Test Conditions  |                   | LTE Band 41 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 20+20MHz                         | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0018                              | PASS    |
| 40               | Normal Voltage    | 0.0013                              |         |
| 30               | Normal Voltage    | 0.0025                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0025                              |         |
| 0                | Normal Voltage    | 0.0029                              |         |
| -10              | Normal Voltage    | 0.0011                              |         |
| -20              | Normal Voltage    | 0.0017                              |         |
| -30              | Normal Voltage    | 0.0015                              |         |
| 20               | Maximum Voltage   | 0.0008                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0021                              |         |

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

|                 |          |                     |         |
|-----------------|----------|---------------------|---------|
| Test Engineer : | Carry Xu | Temperature :       | 23~25°C |
|                 |          | Relative Humidity : | 41~42%  |

Note: Pre-scanned harmonic for all the supported antennas, choose the worst antenna perform final test and record in the report.

| LTE Band 7 / 20MHz / QPSK / Ant.2 |                   |              |               |                   |                    |                      |                       |                    |
|-----------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                           | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                            | 5052              | -64.02       | -25           | -39.02            | -74.23             | 3.03                 | 13.24                 | H                  |
|                                   | 7576              | -61.49       | -25           | -36.49            | -70.94             | 3.56                 | 13.01                 | H                  |
|                                   | 10100             | -52.66       | -25           | -27.66            | -62.18             | 3.92                 | 13.44                 | H                  |
|                                   | 5052              | -63.95       | -25           | -38.95            | -74.16             | 3.03                 | 13.24                 | V                  |
|                                   | 7576              | -59.79       | -25           | -34.79            | -69.24             | 3.56                 | 13.01                 | V                  |
|                                   | 10100             | -51.84       | -25           | -26.84            | -61.36             | 3.92                 | 13.44                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 41 / 20MHz / QPSK / Ant.2 |                   |              |               |                   |                    |                      |                       |                    |
|------------------------------------|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                            | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                             | 5168              | -63.88       | -25           | -38.88            | -74.09             | 3.03                 | 13.24                 | H                  |
|                                    | 7752              | -59.97       | -25           | -34.97            | -69.42             | 3.56                 | 13.01                 | H                  |
|                                    | 10340             | -53.54       | -25           | -28.54            | -63.06             | 3.92                 | 13.44                 | H                  |
|                                    | 5168              | -63.21       | -25           | -38.21            | -73.42             | 3.03                 | 13.24                 | V                  |
|                                    | 7752              | -56.96       | -25           | -31.96            | -66.41             | 3.56                 | 13.01                 | V                  |
|                                    | 10340             | -51.65       | -25           | -26.65            | -61.17             | 3.92                 | 13.44                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 7C_CA / 20MHz + 20MHz / QPSK / Ant.2 |                   |              |               |                   |                    |                      |                       |                    |
|---|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                                       | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle  | 5032              | -63.39       | -25           | -38.39            | -73.60             | 3.03                 | 13.24                 | H                  |
|   | 5068              | -63.69       | -25           | -38.69            | -73.90             | 3.03                 | 13.24                 | H                  |
|   | 7548              | -62.91       | -25           | -37.91            | -72.36             | 3.56                 | 13.01                 | H                  |
|   | 7604              | -62.99       | -25           | -37.99            | -72.51             | 3.92                 | 13.44                 | H                  |
|   | 10060             | -52.71       | -25           | -27.71            | -62.92             | 3.03                 | 13.24                 | H                  |
|   | 10140             | -61.28       | -25           | -36.28            | -71.49             | 3.03                 | 13.24                 | H                  |
|   | 12580             | -56.57       | -25           | -31.57            | -66.02             | 3.56                 | 13.01                 | H                  |
|   | 12670             | -59.35       | -25           | -34.35            | -68.87             | 3.92                 | 13.44                 | H                  |
|   | 5032              | -63.61       | -25           | -38.61            | -73.82             | 3.03                 | 13.24                 | V                  |
|   | 5068              | -63.71       | -25           | -38.71            | -73.92             | 3.03                 | 13.24                 | V                  |
|   | 7548              | -59.29       | -25           | -34.29            | -68.74             | 3.56                 | 13.01                 | V                  |
|   | 7604              | -63.23       | -25           | -38.23            | -72.75             | 3.92                 | 13.44                 | V                  |
|   | 10060             | -54.06       | -25           | -29.06            | -64.27             | 3.03                 | 13.24                 | V                  |
|   | 10140             | -61.68       | -25           | -36.68            | -71.89             | 3.03                 | 13.24                 | V                  |
|   | 12580             | -59.09       | -25           | -34.09            | -68.54             | 3.56                 | 13.01                 | V                  |
|   | 12670             | -59.78       | -25           | -34.78            | -69.30             | 3.92                 | 13.44                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 41C_CA / 20MHz + 20MHz / QPSK / Ant.2 |                   |              |               |                   |                    |                      |                       |                    |
|--|-------------------|--------------|---------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel  | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle   | 5152              | -63.66       | -25           | -38.66            | -73.87             | 3.03                 | 13.24                 | H                  |
|  | 5188              | -63.97       | -25           | -38.97            | -74.18             | 3.03                 | 13.24                 | H                  |
|  | 7728              | -60.53       | -25           | -35.53            | -70.74             | 3.03                 | 13.24                 | H                  |
|  | 7784              | -62.60       | -25           | -37.60            | -72.81             | 3.03                 | 13.24                 | H                  |
|  | 10300             | -51.19       | -25           | -26.19            | -61.40             | 3.03                 | 13.24                 | H                  |
|  | 10380             | -60.67       | -25           | -35.67            | -70.88             | 3.03                 | 13.24                 | H                  |
|  | 12880             | -58.81       | -25           | -33.81            | -69.02             | 3.03                 | 13.24                 | H                  |
|  | 12970             | -59.79       | -25           | -34.79            | -70.00             | 3.03                 | 13.24                 | H                  |
|  | 5152              | -63.66       | -25           | -38.66            | -73.87             | 3.03                 | 13.24                 | V                  |
|  | 5188              | -63.84       | -25           | -38.84            | -74.05             | 3.03                 | 13.24                 | V                  |
|  | 7728              | -58.33       | -25           | -33.33            | -67.78             | 3.56                 | 13.01                 | V                  |
|  | 7784              | -62.45       | -25           | -37.45            | -71.97             | 3.92                 | 13.44                 | V                  |
|  | 10300             | -55.33       | -25           | -30.33            | -65.54             | 3.03                 | 13.24                 | V                  |
|  | 10380             | -61.02       | -25           | -36.02            | -71.23             | 3.03                 | 13.24                 | V                  |
|  | 12880             | -57.57       | -25           | -32.57            | -67.02             | 3.56                 | 13.01                 | V                  |
|  | 12970             | -60.37       | -25           | -35.37            | -69.89             | 3.92                 | 13.44                 | V                  |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.